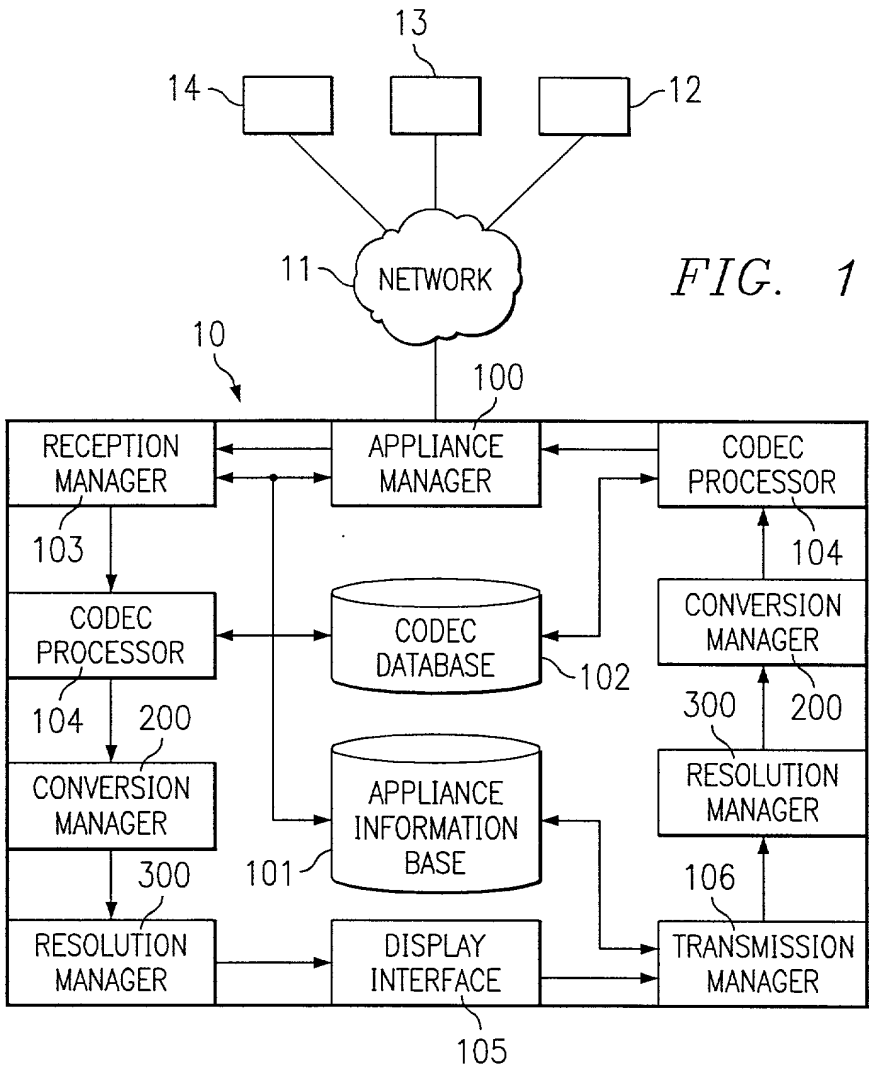
13
14
12
11
NETWORK
10
100
RECEPTION MANAGER
APPLIANCE MANAGER
CODEC PROCESSOR
103
104
CODEC PROCESSOR
CODEC DATABASE
CONVERSION MANAGER
102
104
200
300
200
CONVERSION MANAGER
APPLIANCE INFORMATION BASE
RESOLUTION MANAGER
101
300
106
RESOLUTION MANAGER
DISPLAY INTERFACE
TRANSMISSION MANAGER
105

FIG. 1

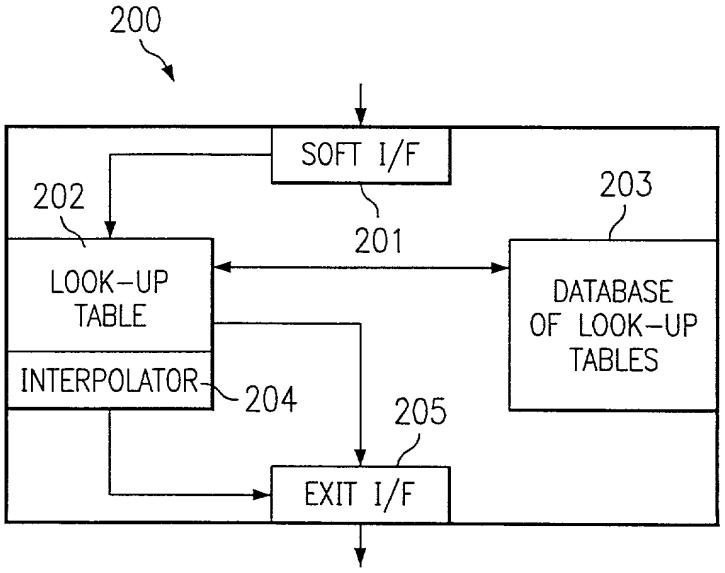
200
SOFT I/F
202
201
203
LOOK-UP TABLE
DATABASE OF LOOK-UP TABLES
INTERPOLATOR
204
205
EXIT I/F

FIG. 2

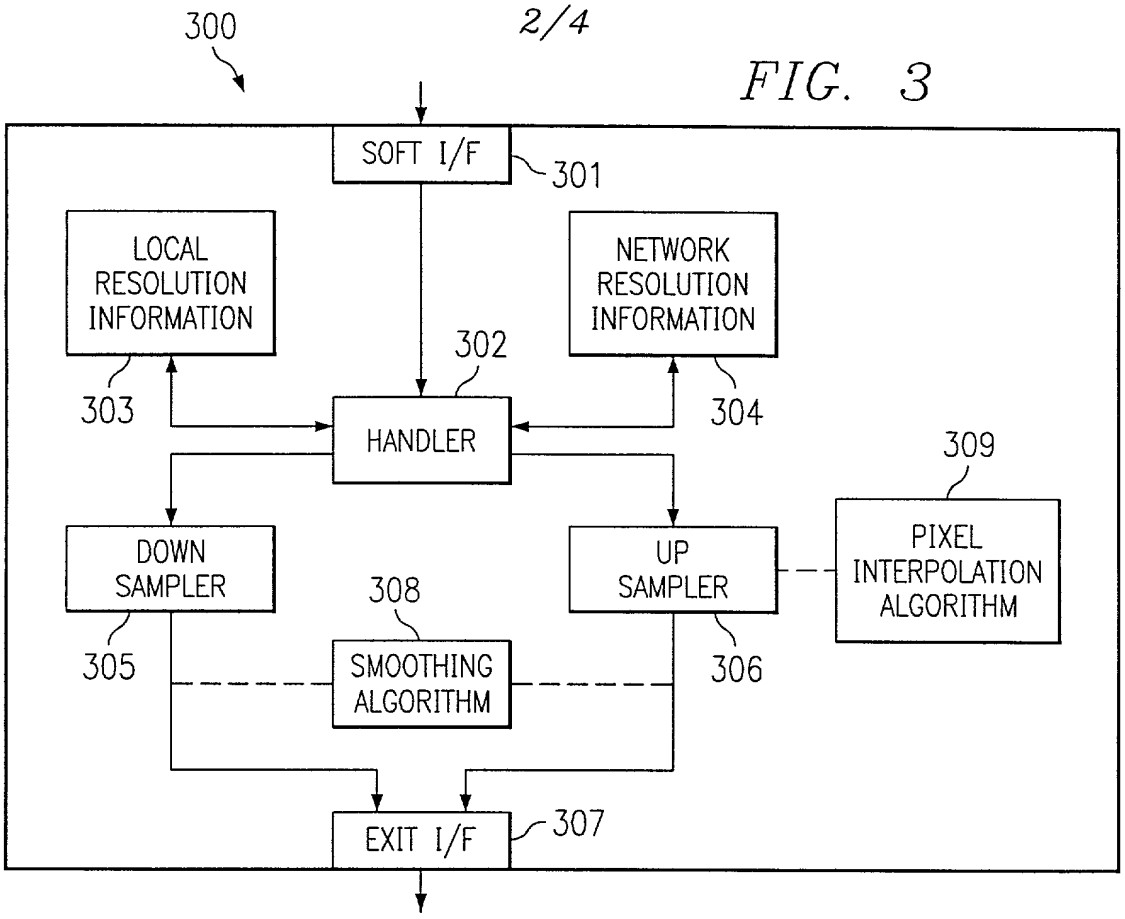
300
SOFT I/F
301
LOCAL RESOLUTION INFORMATION
NETWORK RESOLUTION INFORMATION
302
303
304
HANDLER
309
DOWN SAMPLER
UP SAMPLER
PIXEL INTERPOLATION ALGORITHM
308
305
306
SMOOTHING ALGORITHM
EXIT I/F
307

FIG. 3

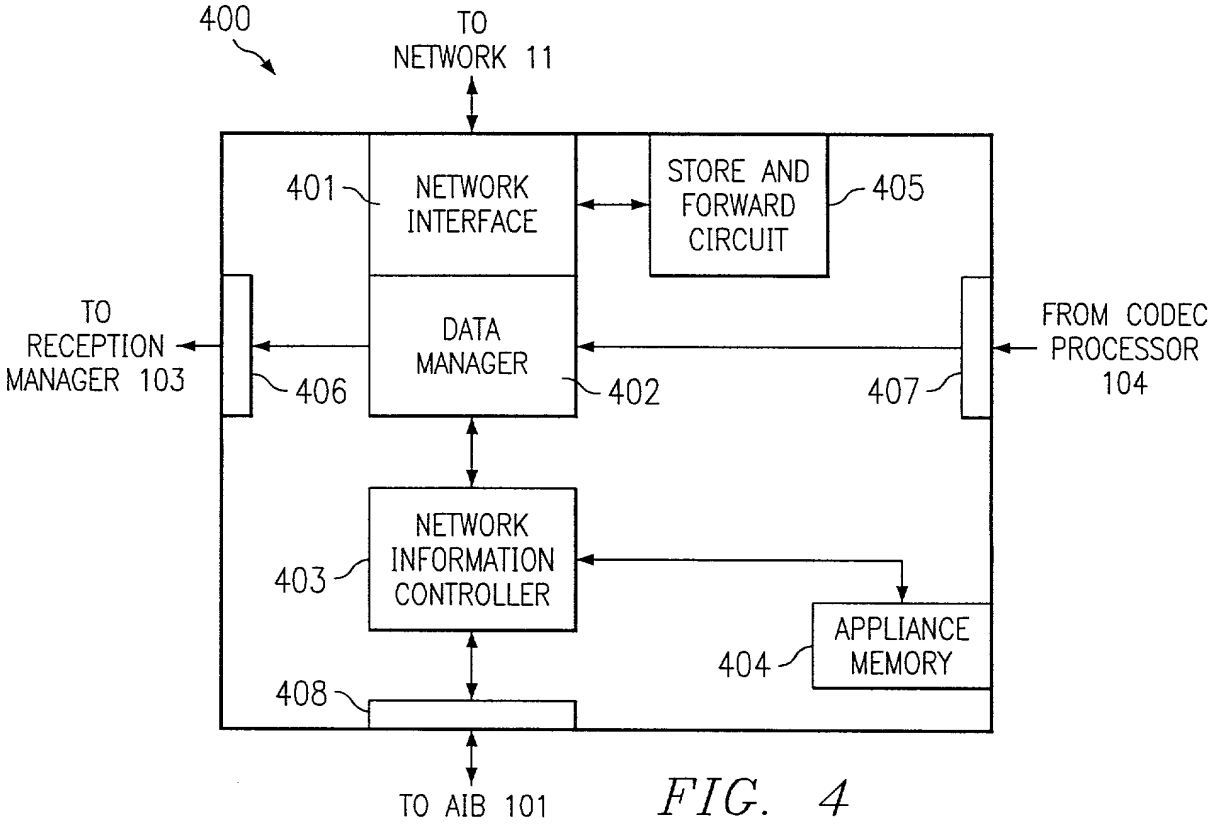
400
TO NETWORK 11
401
NETWORK INTERFACE
STORE AND FORWARD CIRCUIT
405
TO RECEPTION MANAGER 103
DATA MANAGER
FROM CODEC PROCESSOR 104
406
402
407
NETWORK INFORMATION CONTROLLER
403
APPLIANCE MEMORY
404
408
TO AIB 101

FIG. 4

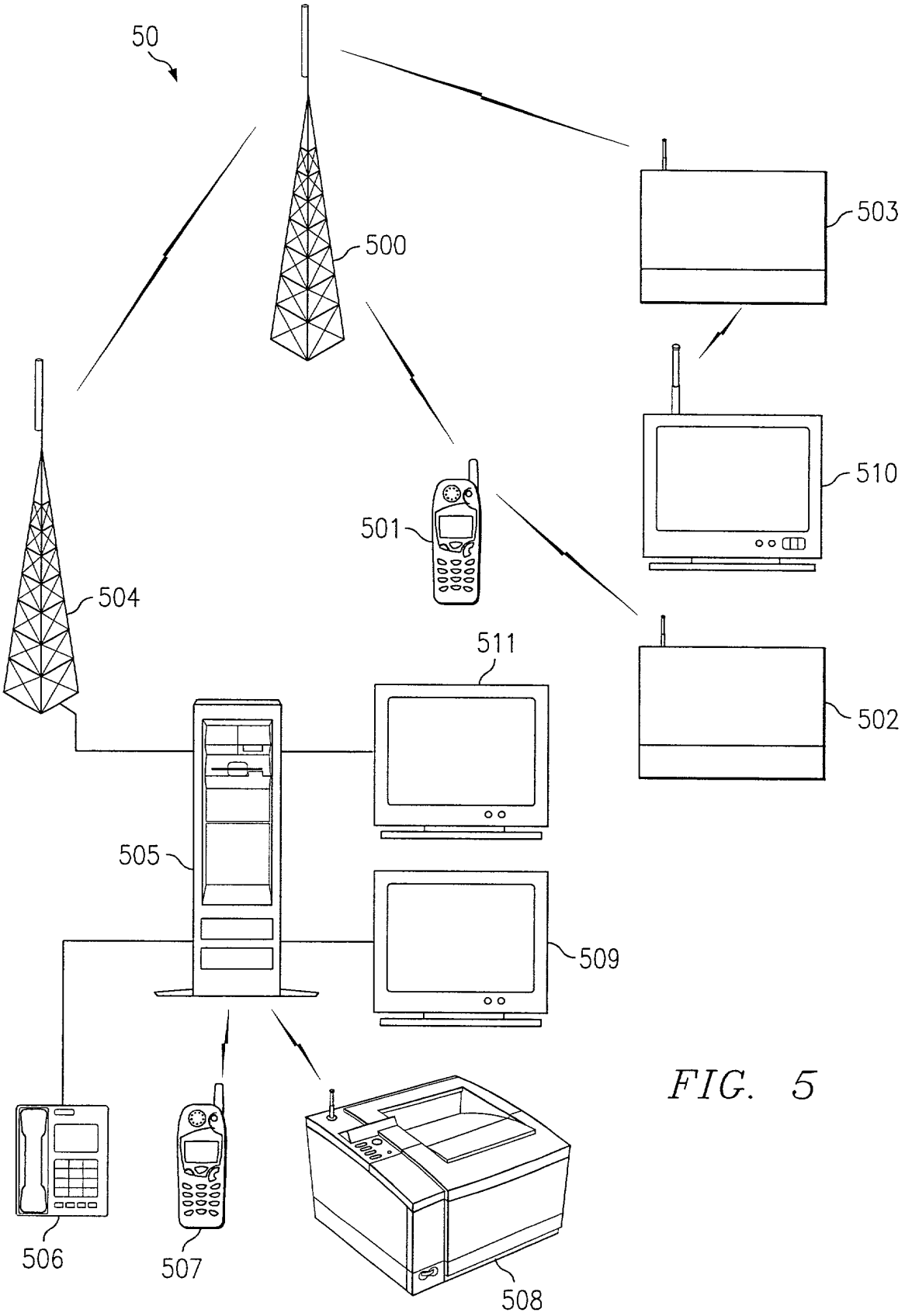

FIG. 5

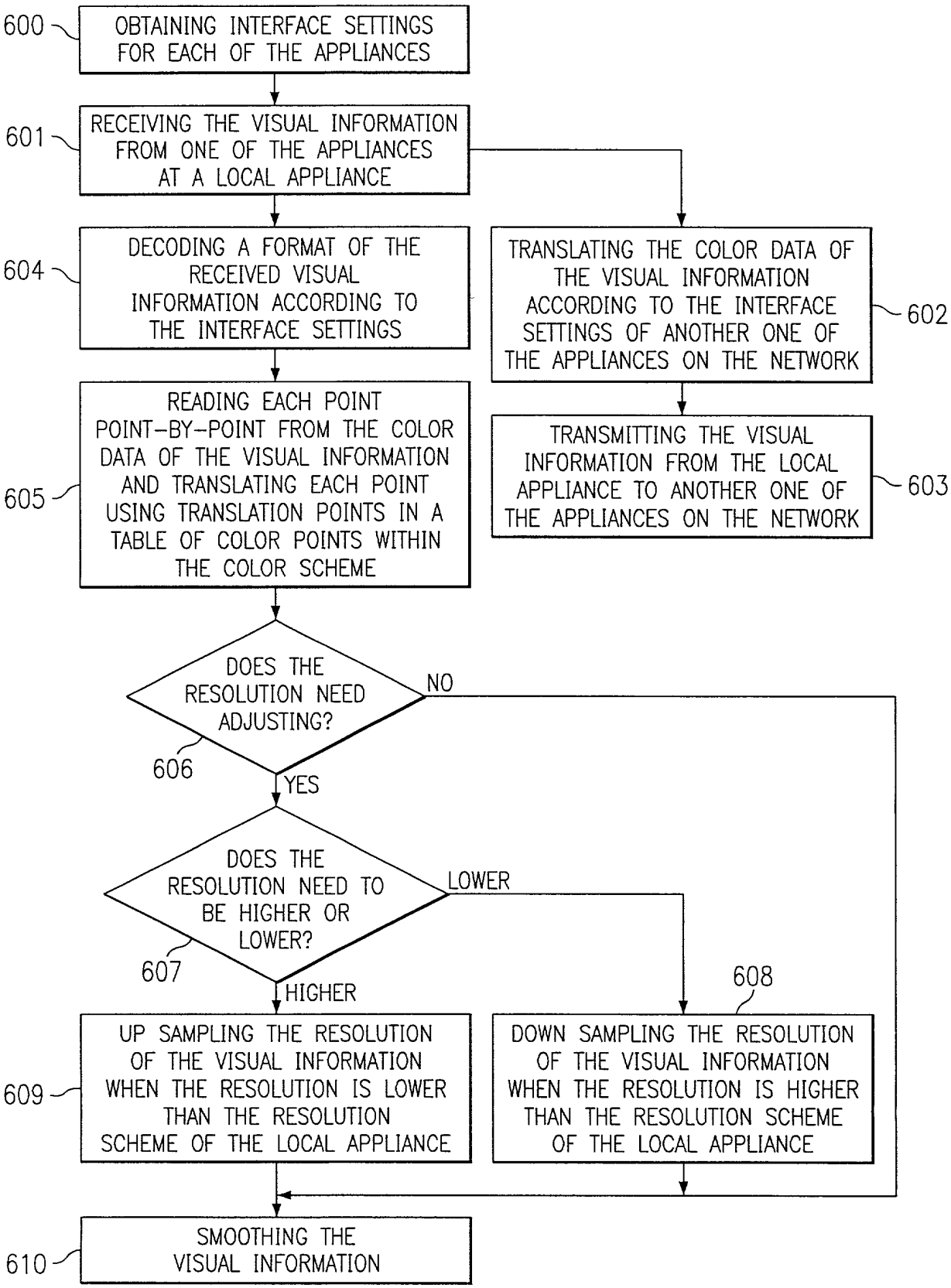
600
OBTAINING INTERFACE SETTINGS FOR EACH OF THE APPLIANCES
601
RECEIVING THE VISUAL INFORMATION FROM ONE OF THE APPLIANCES AT A LOCAL APPLIANCE
604
DECODING A FORMAT OF THE RECEIVED VISUAL INFORMATION ACCORDING TO THE INTERFACE SETTINGS
605
READING EACH POINT POINT-BY-POINT FROM THE COLOR DATA OF THE VISUAL INFORMATION AND TRANSLATING EACH POINT USING TRANSLATION POINTS IN A TABLE OF COLOR POINTS WITHIN THE COLOR SCHEME
602
TRANSLATING THE COLOR DATA OF THE VISUAL INFORMATION ACCORDING TO THE INTERFACE SETTINGS OF ANOTHER ONE OF THE APPLIANCES ON THE NETWORK
603
TRANSMITTING THE VISUAL INFORMATION FROM THE LOCAL APPLIANCE TO ANOTHER ONE OF THE APPLIANCES ON THE NETWORK
606
DOES THE RESOLUTION NEED ADJUSTING?
NO
YES
607
DOES THE RESOLUTION NEED TO BE HIGHER OR LOWER?
LOWER
HIGHER
608
609
UP SAMPLING THE RESOLUTION OF THE VISUAL INFORMATION WHEN THE RESOLUTION IS LOWER THAN THE RESOLUTION SCHEME OF THE LOCAL APPLIANCE
DOWN SAMPLING THE RESOLUTION OF THE VISUAL INFORMATION WHEN THE RESOLUTION IS HIGHER THAN THE RESOLUTION SCHEME OF THE LOCAL APPLIANCE
610
SMOOTHING THE VISUAL INFORMATION

FIG. 6